WHAT IS CLAIMED IS:

1	1. An auxiliary oil filter for a vehicle having an engine
2	lubrication system, the auxiliary oil filter comprising:
3	a housing having an inlet port for receiving engine oil separately from
4	the engine lubrication system, and an outlet port for returning filtered oil to the
5	engine, the housing defining an inlet cavity in fluid communication with the inlet
6	port, and an outlet cavity in fluid communication with the outlet port;
7	a seal disposed within the housing for sealing engine oil substantially
8	within the inlet and outlet cavities;
9	a media supply reel disposed within the housing and having a roll of
10	filtering media thereon;
11	a take-up reel disposed within the housing and configured to receive
12	the filtering media from the supply reel; and
13	a media indexing system operative to rotate the take-up reel to receive
14	used filtering media.
1	2. The auxiliary oil filter of claim 1, wherein the seal is a lip seal
2	disposed at least partially within the inlet cavity and configured to engage the
3	filtering media.
1	3. The auxiliary oil filter of claim 1, wherein the seal is an
2	inflatable seal, configured to be inflated by engine oil.
1	4. The auxiliary oil filter of claim 1, further comprising a
2	processor for at least controlling the media indexing system and the flow of engine
3	oil into the auxiliary oil filter.

1	5. The auxiliary oil filter of claim 4, further comprising a		
2	pressure sensor for monitoring the oil pressure in the inlet cavity and the outlet		
3	cavity, and for signaling the processor.		
1	6. An oil filtration system for an engine, comprising:		
2	an auxiliary oil filter for receiving and filtering oil from the engine,		
3	the auxiliary oil filter including,		
4	a) a housing having an inlet port for receiving engine oil, and an		
5	outlet port for returning filtered oil to the engine,		
6	b) a media supply reel disposed within the housing and having a roll		
7	of filtering media thereon,		
8	c) a take-up reel disposed within the housing and configured to		
9	receive the filtering media from the supply reel, and		
10	d) a media indexing system disposed within the housing and operative		
11	to rotate the take-up reel to receive used filtering media.		
1	7. The oil filtration system of claim 6, wherein the auxiliary oil		
2	filter further includes a removable media cartridge disposed within the housing and		
3	containing at least the media supply reel and the take-up reel.		
1	8. The oil filtration system of claim 6, wherein the auxiliary oil		
2	filter further includes a tensioning apparatus disposed within the housing, and		
3	operatively connected to the media supply reel for maintaining tension on the		
4	filtering media.		
1	9. The oil filtration system of claim 6, wherein the auxiliary oil		
2	filter further includes a filter media support disposed within the housing for		
3	supporting the filtering media as engine oil is filtered.		

1	10.	The oil filtration system of claim 6, further comprising an
2		eration system operatively associated with the filtering media to
		on of small contaminants on the filtering media.
3	emiance the confectio	of Sman contaminants on the Thering media.
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1	11.	The oil filtration system of claim 6, further comprising an
2	•	nt system operatively associated with the auxiliary oil filter to
3	release additives into	o the oil.
1	12.	The oil filtration system of claim 6, further comprising a
2	sensor for sensing th	e quality and the level of the oil in the engine.
1	13.	The oil filtration system of claim 6, further comprising an oil
2 .	cooler operatively co	onnected between the auxiliary oil filter and the engine.
1	14.	The oil filtration system of claim 6, further comprising an
2	auxiliary pump opera	atively connected between the engine and the auxiliary oil filter
3	for pumping oil fron	n the engine to the auxiliary oil filter.
1	15.	The oil filtration system of claim 14, further comprising an
2	oil cooler operatively	y connected between the pump and the engine.
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1	16.	The oil filtration system of claim 14, further comprising a
2		e filling and draining for oil replacement.
_	subsystem for remot	o manag and draming for on replacement
1	17.	The oil filtration system of claim 16, wherein the subsystem
1		·
2		tional control valve operatively connected between the engine
3		remote oil filling and a second directional control valve
4	Operatively connecte	d between the numn and the auxiliary filter for oil draining

I	18. An oil filtration system for an engine, comprising:		
2	an auxiliary oil filter for receiving and filtering oil from the engine,		
3	the auxiliary oil filter including,		
4	a) a housing having an inlet port for receiving engine oil, and an		
5	outlet port for returning filtered oil to the engine,		
6	b) a media supply reel disposed within the housing and having a roll		
7	of filtering media thereon,		
8	c) a take-up reel disposed within the housing and configured to		
9	receive the filtering media from the supply reel, and		
0	d) a media indexing system operative to rotate the take-up reel to		
1	receive used filtering media; and		
2	a processor for at least controlling the media indexing system and the		
13	flow of engine oil into the auxiliary oil filter.		
1	19. The oil filtration system of claim 18, further comprising an		
2	electrostatic agglomeration system operatively associated with the filtering media to		
3	enhance the collection of small contaminants on the filtering media.		
1	20. The oil filtration system of claim 18, further comprising an		
2	additive replenishment system operatively associated with the auxiliary oil filter to		
3	release additives into the oil.		
1	21. The oil filtration system of claim 18, further comprising a		
2	sensor for sensing the quality and the level of the oil in the engine.		
1	22. The oil filtration system of claim 18, further comprising an		
2	oil cooler operatively connected between the auxiliary oil filter and the engine.		

4

1	23. The oil filtration system of claim 18, further comprising an
2	auxiliary pump operatively connected between the engine and the auxiliary oil filter
3	for pumping oil from the engine to the auxiliary oil filter.
1	24. The oil filtration system of claim 23, further comprising an
2	oil cooler operatively connected between the pump and the engine.
1	25. The oil filtration system of claim 23, further comprising a
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2	subsystem for remote filling and draining for oil replacement.
1	26. The oil filtration system of claim 25, wherein the subsystem
2	includes a first directional control valve operatively connected between the engine
3	and the pump for remote oil filling and a second directional control valve

operatively connected between the pump and the auxiliary filter for oil draining.